BRUHATH BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of Work: Estimate for Construction of Compound Wall and Beautification Works to Indira Canteen Building in Ward No. 08, Kodigehalli.

					Estimate Cost:			1245000.00	
Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork **excavation by manual means in ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 142 / Item No. 19.1, PWD SR 2016-17**	Cum							
	For Compoun Wall R/S		1	16.00	0.90	0.90	12.96		
	For Compoun Wall L/S		1	16.00	0.90	0.90	12.96		
	For Compound Wall Front Side		1	15.00	0.90	0.90	12.15		
	For Compound Wall Back Side		1	15.00	0.90	0.90	12.15		
	Over Burden Earth		4	16.00	2.00	1.20	153.60		
	Desilting		1	200.00	0.60	0.75	90.00		
							293.82	203.13	**59683.00**
	Basic Rate	82.00							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 / km= 38.08	38.08							
		188.08							
	Area Weightage @ 8%	15.05							
	Total	**203.13**							
2	KSRB 4-1.2 : Providing and laying in position **plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation** including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **(P.No. 12/I.No. 4.2 of CSR 2016-17)**	Cum							
	For Compoun Wall R/S		1	16.00	0.90	0.15	2.16		
	For Compoun Wall L/S		1	16.00	0.75	0.15	1.80		
	For Compound Wall Front Side		1	15.00	0.90	0.15	2.03		
	For Compound Wall Back Side		1	15.00	0.75	0.15	1.69		
	Flagging Course								
	Front Side		1	15.00	2.45	0.15	5.51		
	R/S		1	16.00	1.55	0.15	3.72		
	B/S		1	13.00	1.60	0.15	3.12		
							20.03	5449.68	**109130.00**
	Basic Rate	5046.00							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	403.68							
	Total	**5449.68**							
3	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6, stone** hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.6. PWD SR 2016-17**	Cum							
	For Compoun Wall R/S		1	16.00	0.75	0.75	9.00		
	For Compoun Wall L/S		1	16.00	0.75	0.60	7.20		
	For Compound Wall Front Side		1	15.00	0.75	0.75	8.44		
	For Compound Wall Back Side		1	15.00	0.75	0.60	6.75		
							31.39	4521.96	**141933.00**
	Basic Rate	4187.00							
	Area Weightage @ 8%	334.96							
	Total	**4521.96**							
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.9, PWD SR 2016-17**	Cum							
	For Compoun Wall R/S		1	16.00	0.60	0.45	4.32		
	For Compoun Wall L/S		1	16.00	0.45	0.45	3.24		
	For Compound Wall Front Side		2	6.00	0.60	0.45	3.24		
	For Compound Wall Back Side		1	15.00	0.45	0.45	3.04		
							13.84	5405.40	**74797.00**
	Basic Rate	5005.00							
	Area Weightage @ 8%	400.40							
	Total	**5405.40**							
5	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 113 / Item No. 15.3, PWD SR 2016-17**	Sqm							
	For Compoun Wall R/S		2	16.00		0.45	14.40		
	For Compoun Wall L/S		2	16.00		0.45	14.40		
	For Compound Wall Front Side		2	15.00		0.45	13.50		
	For Compound Wall Back Side		2	15.00		0.45	13.50		
							55.80	105.84	**5906.00**
	Basic Rate	98.00							
	Area Weightage @ 8%	7.84							
	Total	**105.84**							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.6 PWD SR 2016-17**	Cum							
	For Chain Link Fenicing Coping		2	16.00	0.60	0.10	1.92		
			2	15.00	0.45	0.10	1.35		
							3.27	5876.28	**19215.00**
	Basic Rate	5441.00							
	Area Weightage @ 8%	435.28							
	Total	**5876.28**							
7	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) **Page No. 262 / Item No. 37.2, PWD SR 2016-17**	m							
	For Vertical Poles		12			3.20	38.40		
							38.40	884.52	**33966.00**
	Basic Rate	819.00							
	Area Weightage @ 8%	65.52							
	Total	**884.52**							
8	Providing and fixing M.S.Grill over existing compound wall as per Chief Architect drawing No. 12686, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification. **Page. No. 43 / Item. No. 7.36 PWD SR 2016-17**	Sqm							
	R/S		5	3.00		2.10	31.50		
	Front		4	2.30		2.10	19.32		
			2	2.50		2.10	10.50		
							61.32	5641.92	**345963.00**
	Basic Rate	5224.00							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	417.92							
	Total	**5641.92**							
9	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. **Page. No. 43 / Item. No. 7.37 PWD SR 2016-17**	Sqm							
			1	3.00		2.41	7.23		
							7.23	3168.72	**22910.00**
	Basic Rate	2934.00							
	Area Weightage @ 8%	234.72							
	Total	**3168.72**							
10	KSRB 15-18.3 : Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (**Page No. 120 Item No. 15.75 of SR 2016-17**).	Sqm							
			Qty Vide Item No. 8 & 9				68.55		
							68.55	55.08	**3776.00**
	Basic Rate	51.00							
	Area Weightage @ 8%	4.08							
	Total	**55.08**							
11	Providing and fixing pre cast solid concrete kerb stones of size 450x200x400 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting ete., complete. **Page No. 25 / Item No. 5.29.1, PWD SR 2016-17**	no							
			148				148		
							148	393.12	**58182.00**
	Basic Rate	364.00							
	Area Weightage @ 8%	29.12							
	Total	**393.12**							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	KSRB 15-19.1 : Providing and applying ready mix priming coat **over concrete** / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 122 / Item No. Item No. 15.80, PWD SR 2016-17**	Sqm							
	Kerb Stones Painting		1	148.00		0.35	51.80		
							51.80	28.08	**1455.00**
	Basic Rate	26.00							
	Area Weightage @ 8%	2.08							
	Total	**28.08**							
13	KSRB 15-19.2 : Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.**Page No. 122 / Item No. Item No. 15.81, PWD SR 2016-17**	Sqm							
	Kerb Stones Painting		Qty Vide Item No. 12				51.80		
							51.80	71.28	**3692.00**
	Basic Rate	66.00							
	Area Weightage @ 8%	5.28							
	Total	**71.28**							
14	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. **P.No. 109, I.No. 14.62 of PWD SR 2016-17**	Sqm							
	Front Side		1	15.00	2.45		36.75		
	R/S		1	16.00	1.55		24.80		
	B/S		1	13.00	1.60		20.80		
							82.35	1171.80	**96498.00**
	Basic Rate	1085.00							
	Area Weightage @ 8%	86.80							
	Total	**1171.80**							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15	KSRB 5-15 : Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 25 / Item No. 5.28, PWD SR 2016-17**	Sqm							
	L/S		1	16.00		1.50	24.00		
	B/S		1	15.00		1.50	22.50		
							46.50	773.28	**35958.00**
	Basic Rate	716.00							
	Area Weightage @ 8%	57.28							
	Total	**773.28**							
16	KSRB 15.3.1 Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No.112/ Item No. 15.9, PWD SR 2016-17**	Sqm							
			1	31.00		1.50	46.50		
			1	16.00		1.50	24.00		
			1	16.00		0.60	9.60		
			4	6.00		0.60	14.40		
			1	15.00		0.45	6.75		
							101.25	195.48	**19792.00**
	Basic Rate	181.00							
	Area Weightage @ 8%	14.48							
	Total	**195.48**							
17	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including curing etc., complete. **(P.No. 108, I.No. 14.49 of PWD SR 2016-17)**	Sqm							
			1	29.00		0.75	21.75		
							21.75	3809.16	**82849.00**
	Basic Rate	3527.00							
	Area Weightage @ 8%	282.16							
	Total	**3809.16**							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
18	KSRB 8.6-5 : Providing and fixing on wall surface 2.5 kg / sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications. **Page No. 47 / Item No. 8.16, PWD SR 2016-17**	m							
			4	3.00			12.00		
							12.00	429.84	**5158.00**
	Basic Rate	398.00							
	Area Weightage @ 8%	31.84							
	Total	**429.84**							
	Sub Total								**1120863.00**
	KRIDL Charges @ 10%								**112086.00**
	Third Party Inspection Charges @ 1%								**11209.00**
	Miscellaneous and unforeseen charges	LS							**842.00**
								Total	**1245000.00**
Rupees Twelve Lakh(s) Forty Five Thousand Only									

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore-92

ADMINISTRATIVE APPROVAL

Accorded For Rs. Twelve lakhs Forty Five thousand only

Head of A/c P-3106

Div. Ref. No. 13/18-19 Date 7/06/18

AE 7/06

EE(BTP) 7/06

TECHNICAL SANCTION

Accorded For Rs. Twelve lakhs Forty five thousand only

Head of A/c P-3106

Div. Ref. No. 17/18-19 Date 7/06/18

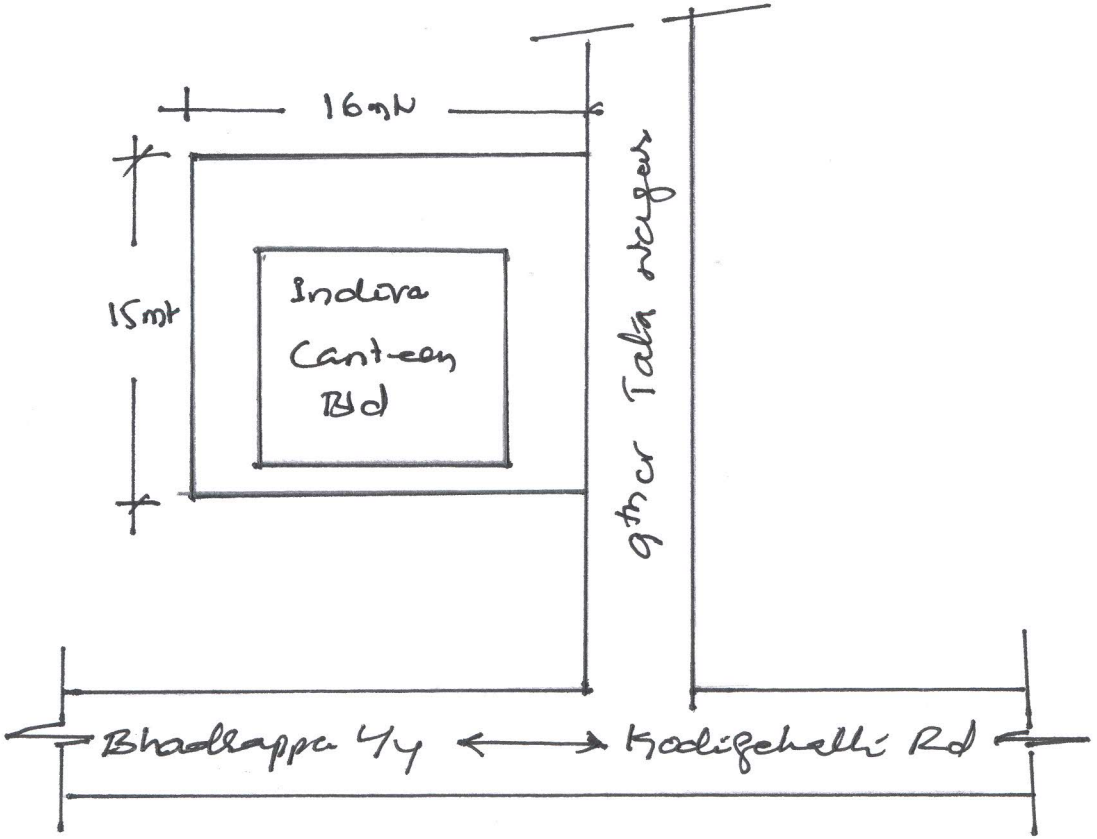
AE 7/06

EE(BTP) 7/06

NAME OF WORK :- CONSTRUCTION OF COMPOUND WALL AND BEAUTIFICATION WORKS TO INDIRA CANTEEN BUILDING IN WARD NO. 8

N

(Not to Scale)



Ward No. 8